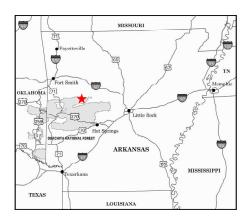
Ladds Ecological Management Unit Compartments 207, 208, 209



Interdisciplinary Team Meeting November 28, 2018



Poteau-Cold Springs Ranger District - Ouachita National Forest

Management Area 17. Semi-Primitive Areas

Visitors view a predominately naturally appearing landscape with some evidence of vegetation manipulation in the form of small openings, individual tree cutting, prescribed fire, and some stands managed as more open, shortleaf pine-bluestem grass or oak woodland communities. Dispersed recreation experiences, including hunting and hiking, are available with fewer disturbances from motorized traffic than the general forest area. A moderate level of solitude is present in most areas.

Management Area 14. Ouachita Mountains-Habitat Diversity Emphasis

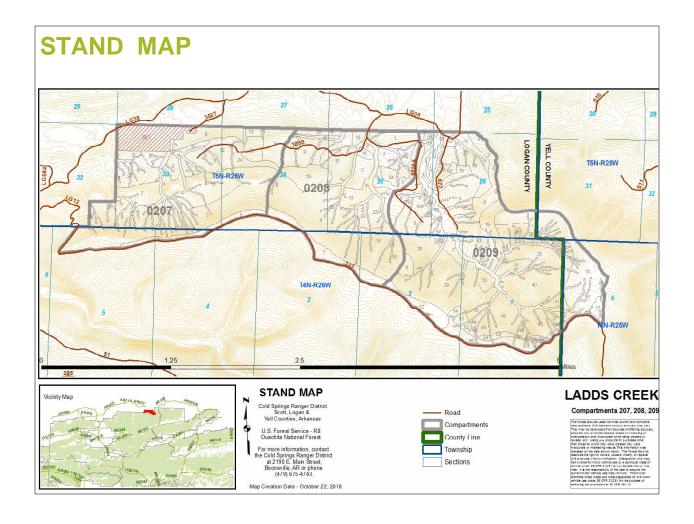
This Management Area is a mosaic of shortleaf pine-hardwood (including pinedominated, hardwood-dominated, and evenly mixed forests and woodlands). Forestwide desired conditions by structural class and community are presented in Part 1 for these communities. Within this MA, grass-forb and seedling-sapling conditions are well represented, particularly in the portions suitable for timber management, where they make up at least 6 percent of the landscape. These "early successional" conditions exist primarily under partial canopies of overstory pines and/or hardwood trees.

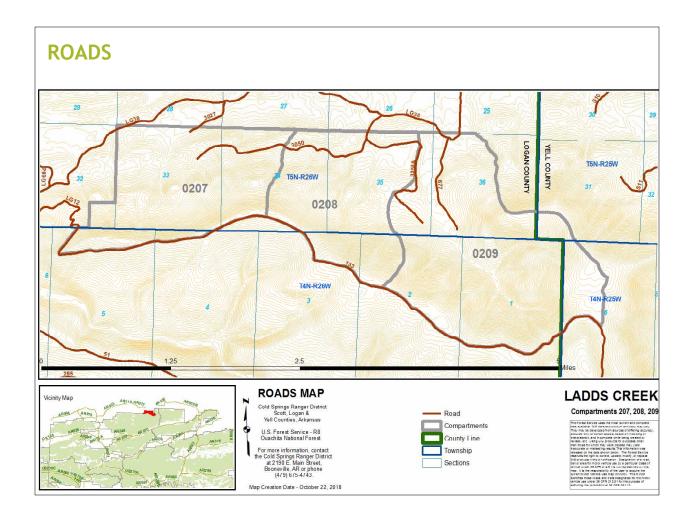
Midsuccessional and mature forests and woodlands are even more widespread, making up at least 70 percent of the landscape. Adequate amounts of all forest conditions needed to sustain viable populations of many of the plant and animal species native to the Forest are available. The habitat needs of other native species with specialized habitat needs are met in other appropriate MAs. Deer and turkey habitat capability remain near 2004 levels; habitat capability for prairie warbler and northern bobwhite, among other indicator species, are higher than 2004 levels.

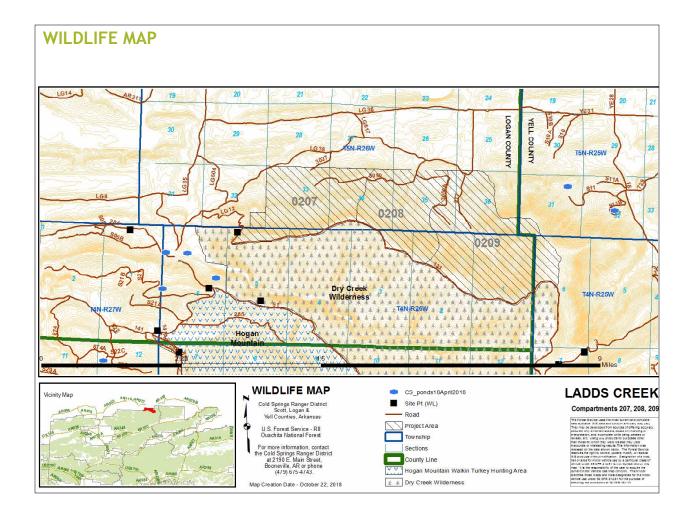
Visitors and managers have access to a moderately extensive transportation system. Visitors find non-motorized recreation opportunities available on a seasonal and shifting basis, depending on road closures and the scheduling of resource management activities. The main road system is well maintained, but visitors may see timber harvest equipment and encounter logging traffic. A portion of the road system is available for low clearance vehicle travel. Some portions are designated and available for OHV use. The remainder of the road system is closed seasonally or long-term.

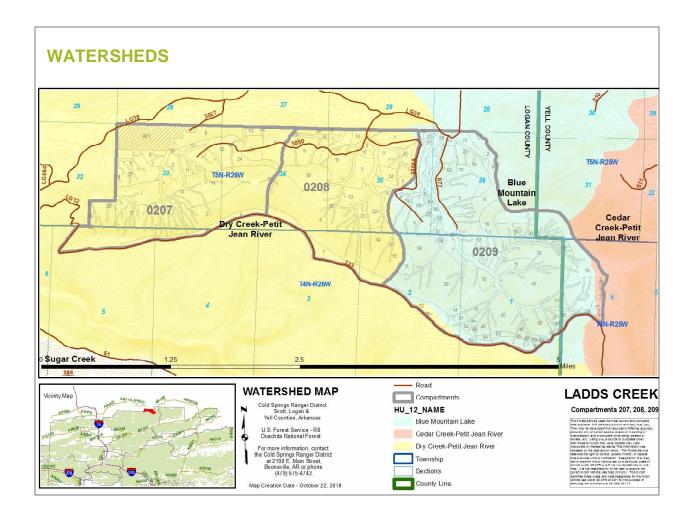
Recently cut areas with logging slash, stumps, and some areas of disturbed soil are evident on a short-term and continuing basis, as are signs of prescribed burning and roadwork. Where such active management activities take place, appropriate scenery management techniques are practiced.

LADDS CREEK Compartments 207, 289, 299 Hollways Project Area Rearger District Boundary County Line National Forset System Lands South Lagua & South County Line National Forset System Lands South Lagua & South County Line National Forset System Lands South Lagua & South County Line National Forset System Lands South Lagua & South Lagua

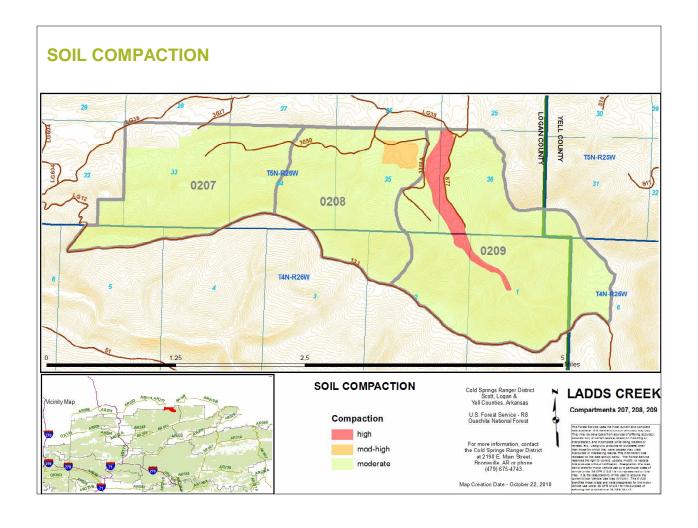


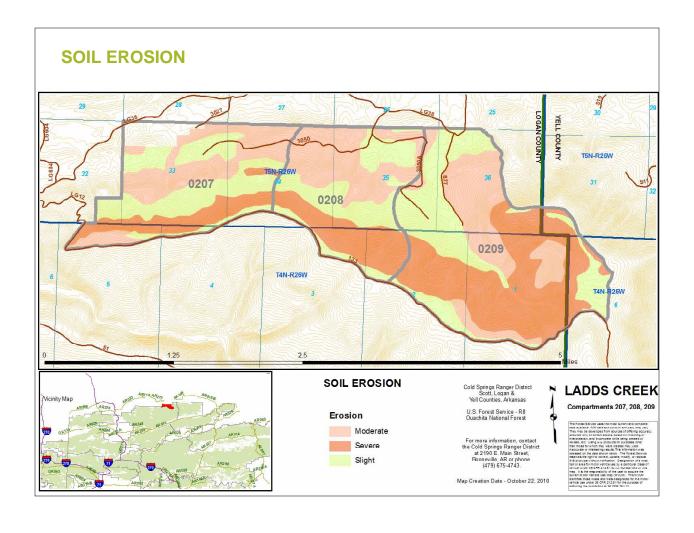


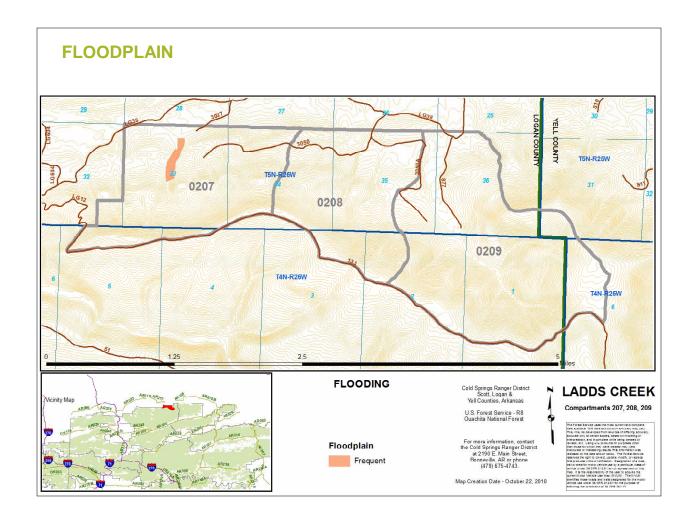




SOIL MAP UNITS LOGAN COUNTY T5N-R26W COUNTY T5N-R25W 0207 0208 T4N-R26W T4N-R25W 055 - Kenn-Ceda complex, 1 to 3 percent slopes, frequently flooded Soil Mapping Unit Cold Springs Ranger District Scott, Logan & Yell Counties, Arkansas LADDS CREEK ${\tt 033}$ - Carnasaw-Sherless complex, 8 to 15 percent 058 - Linker fine sandy loam, 3 to 8 percent slopes Compartments 207, 208, 209 U.S. Forest Service - R8 Ouachita National Forest 046 - Enders stony silt loam, 15 to 35 percent slopes 065 - Mountainburg gravelly fine sandy loam, 8 to 15 percent slopes 048 - Enders-Mountainburg complex, 15 to 35 percent slopes 066 Mountainburg stony fine sandy loam, 15 to 35 **SOIL MAP UNITS** Vicinity Map 173 Enders Mountainburg complex, 3 to 15 percent 071 Nella gravelly fine sandy loam, 3 to 8 percent slopes slopes, rubbly 049 Enders Mountainburg complex, 35 to 60 percent slopes, rubbly 074 Nella Enders complex, 15 to 35 percent slopes 047 Enders Mountainburg complex, 8 to 15 percent slopes 073 - Nella-Enders complex, 8 to 15 percent slopes 075 - Nella-Enders-Mountainburg complex, 35 to 60 For more information, contact the Cold Springs Ranger District at 2190 E. Main Street, Booneville, AR or phone (479) 675-4743. Map Creation Date - October 22, 2018





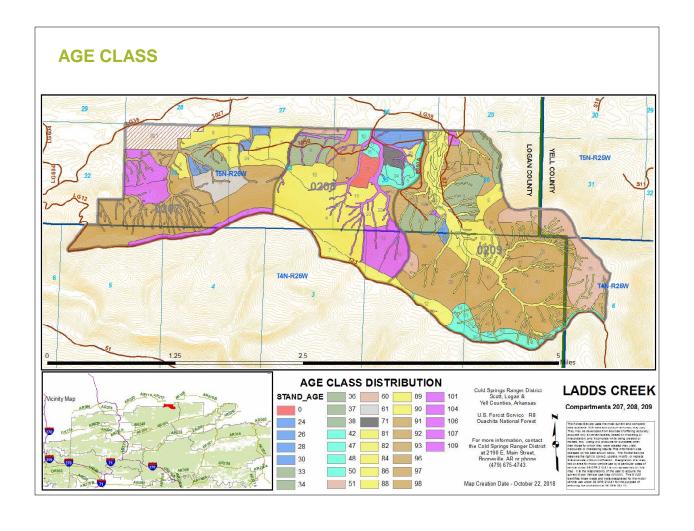


SILVICULTURE (Age Class Distribution)

MA 14	ACRES							
AGE CLASS	SLP	PINE/HWD	HARDWOOL	HWD/PINE	LOBLOLLY	LOB/HWD	ACRES	PERCENT
00-10		34					34	2%
11-20							0	0%
21-30	76						76	4%
31-40	77	74					151	7%
41-50	34			5	30	7	76	4%
51-60				15			15	1%
61-70		68		0			68	3%
71-80	21			0			21	1%
81-90	256		325	63			644	31%
91-100	212		491	0			703	34%
101-110	119		153	0			272	13%
111+	0	0	0	0	0	0	0	0%
ACRES	795	176	969	83	30	7	2060	
PERCENT	39%	9%	47%	4%	1%	0%		100%

MA 17				ACRES				
AGE CLASS	SLP	PINE/HWD	HARDWOOL	HWD/PINE	LOBLOLLY	LOB/HWD	ACRES	PERCENT
00-10							0	0%
11-20							0	0%
21-30	4						4	0%
31-40	94	1					95	5%
41-50	98						98	5%
51-60	182	16					198	11%
61-70							0	0%
71-80							0	0%
81-90	41		305	112			458	26%
91-100	137	,	686				823	46%
101-110			112				112	6%
111+	0	0	0	0	0	0	0	0%
ACRES	556	17	1103	112	0	0	1788	
PERCENT	31%	1%	62%	6%	0%	0%		100%





MANAGEMENT AREA 14				
			<u> </u>	
SUITABLE	807	0-10 Age	Class for MA 1	4
SUITABLE/SPECIAL	0	6-14%	61-142 Acres	
SUITABLE/WILDLIFE EMPHASIS	171			
SUITABLE/RECREATION EMPHASIS	133			
TOTAL SUITABLE	1012			
UNSUITABLE	1048			
NF	2060			
PRIVATE	99			
NF/PRIVATE	2159			

MANAGEMENT AREA 17				
SUITABLE	12	10-10 Age	Class for MA	17
SUITABLE/SPECIAL	120	6-10%	30-50 Acres	
SUITABLE/WILDLIFE EMPHASIS	0			
SUITABLE/RECREATION EMPHASIS	368			
TOTAL SUITABLE	500			
UNSUITABLE	1288			
NF	1788			
PRIVATE	0			
NF/PRIVATE	1788			
_				
TOTAL NF	3848			
PRIVATE	99			
TOTAL NF/PRIVATE	3947			



MANAGEMENT AREA 14

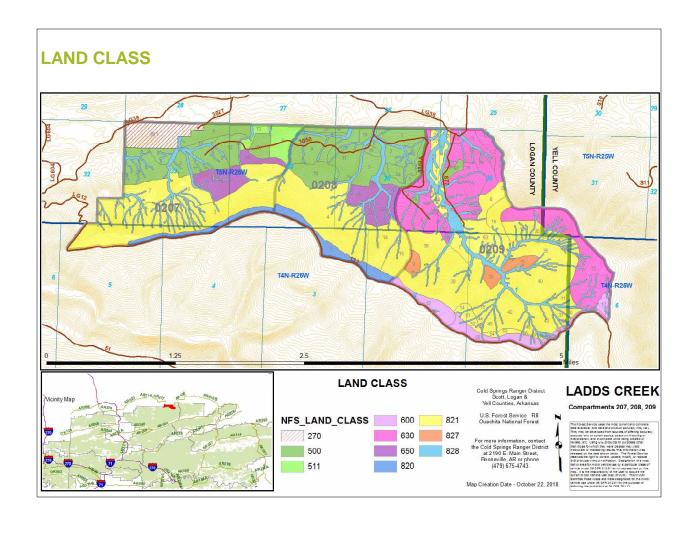
	Acres	Percent
Shortleaf Pine Forest Type (Forested Area)	971	47%
Hardwood Forest Type (Forested Area)	1,052	51%
Loblolly Pine Forest Type (Forested Area)	37	2%
Total	2,060	100%
Mature Pine >= 80	587	28%
Mature Hardwood > =100	153	7 %
Additional Mature Pine in the next 10 years	21	1%
Subtract Regeneration Harvests	136	7 %
Total	-115	-6%
Additional Mature Hardwood in the next 10 years	610	
Total Mature Pine in the next 10 years	472	23%

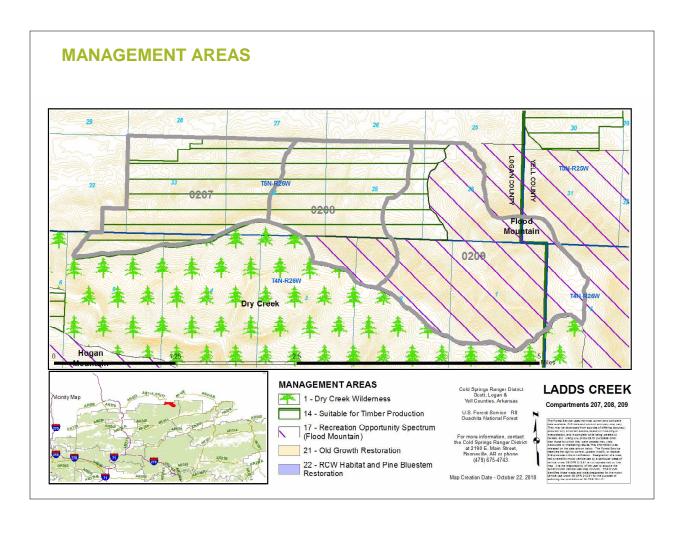


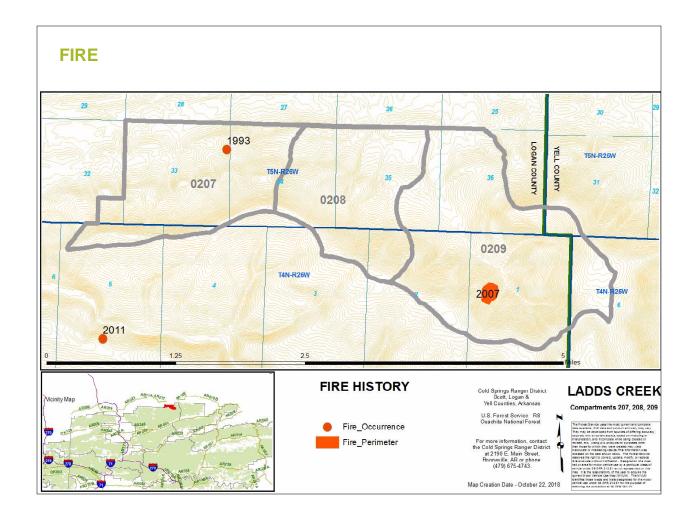
MANAGEMENT AREA 17

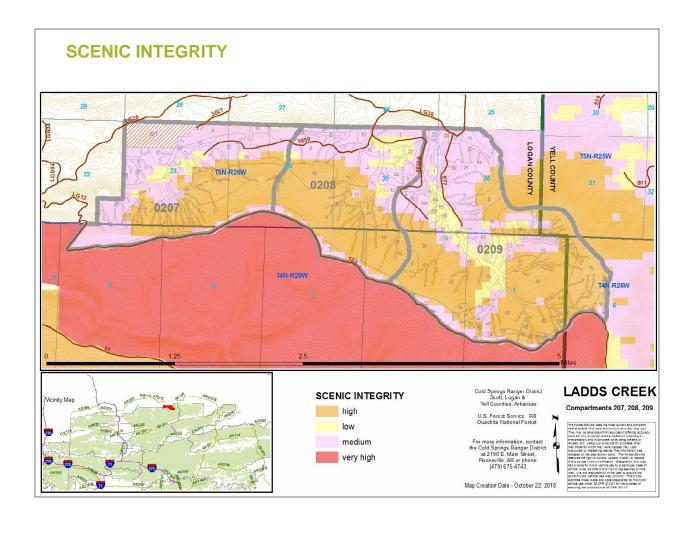
	Acres	Percent
Shortleaf Pine Forest Type (Forested Area)	573	32%
Hardwood Forest Type (Forested Area)	1,215	68%
Loblolly Pine Forest Type (Forested Area)	0	0%
Total	1,788	100%
Mature Pine >= 80	178	10%
Mature Hardwood > =100	112	6%
Additional Mature Pine in the next 10 years	0	0%
Subtract Regeneration Harvests	34	2%
Total	-34	-2%
Additional Mature Hardwood in the next 10		
years	885	49%
Total Mature Pine in the next 10 years	144	8%





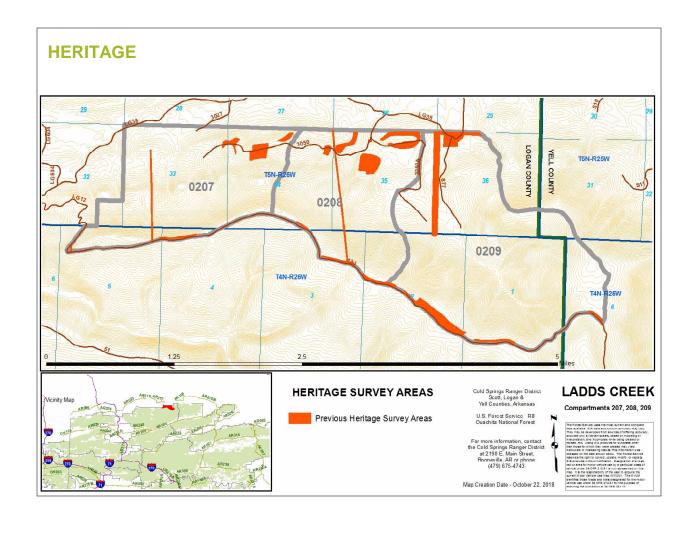


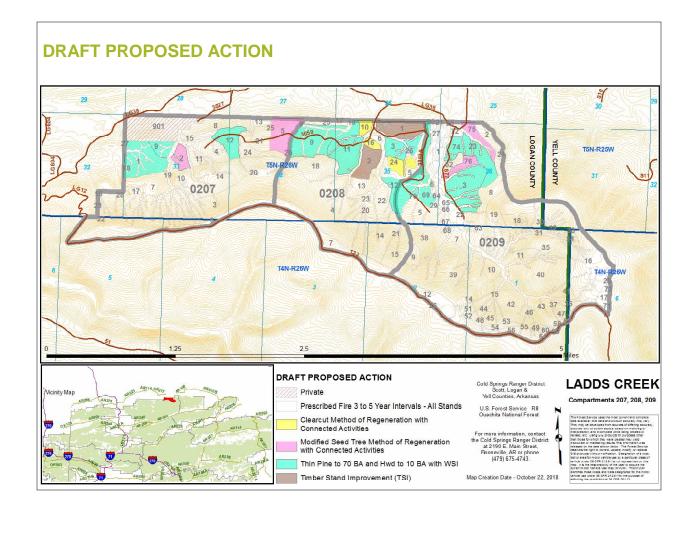




HERITAGE needs LADDS CREEK stuff ____ Prehistoric sites ____ Historic sites ____ Cemeteries ____ Potentially eligible Currently contracted Previously surveyed (_____ acres)







PROPOSED ACTION SUMMARY OF TREATMENTS PRESCRIBED	C-207	C-208	C-209	TOTALS
HARVEST TREATMENTS				
Seed Tree (acres)	64	0	35	99
Clearcut (acres)	0	37	0	37
Commercial Thinning - 70 BA pine; 10 BA hwd (acres)	115	178	194	487
TOTAL HARVEST TREATMENTS	179	215	229	623
SILVICULTURE TREATMENTS				
Reforestation of New Regen Sites (Seed Tree/Clearcuts)	64	37	35	136
Timber Stand Improvements of Other Regens	0	77	0	77
FUELS TREATMENTS				
Fireline Maintenance (miles)				
Fireline Construction (miles)				
Multi-purpose Burning 3-5 year intervals (acres)	1032	990	1826	3848
WILDLIFE ACTIVITIES				
WSI - option to use herbicides or mechanical (acres)	115	178	194	487
Nest Boxes (#)				
Pond Construction (#)				
Pond Maintenance (#)				
TRANSPORTATION TREATMENTS				
Construction (miles)				
Reconstruction (miles)				
PreHaul Maintenance (miles)				
Temporary Road Construction (miles)				
Obliteration (miles)				
OTHER TREATMENTS				
Firewood Areas (yes/no)				
Landline Maintenance (miles)				
Feral Hog Management (yes/no)				
NNIS Treatment with herbicides (yes/no)				



TIMBER Volume Estimation

Prescription	Project Acres	Estimate CCF/Acre	Estimate Total CCF	CCF * 0.2	Estimate Total CCF minus 20%	BF	MBF	MMBF
Modified Seed Tree Method of Regeneration	99	15	1,485	297	1,188	594,000	594	0.594
Clearcut Method of Regeneration	37	40	1,480	296	1,184	592,000	592	0.592
Thin Pine to 70 BA and Hwd to Minimum 10 BA	487	5	2,435	487	1,948	974,000	974	0.974
	0	0	0	0	0	0	0	0.000
Total =	623		5,400		4,320	2,160,000	2,160	2.160

